



# SAFETY DATA SHEET

This safety data sheet complies with the requirements of: (CLP) Regulation (EC 1272/2008)

Revision Date 12-Mar-2019

Version 2

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product Code 82606  
Product Name PRO-STRENGTH BRAKE & PARTS CLEANER 19 OZ AE

Contains XYLENE, TETRACHLOROETHYLENE

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Flammable Aerosol Brake Cleaner

Uses advised against No information available

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

ITW Permatex  
6875 Parkland Blvd.  
Solon, Ohio 44139 USA  
Telephone: 1-87-Permatex  
(866) 732-9502

#### E-mail address:

mail@permatex.com

### 1.4. Emergency telephone number

24-hour emergency phone number - 800-255-3924 (00+ 1+ 813-248-0585) ChemTel

## SECTION 2: HAZARDS IDENTIFICATION:

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Dermal	Category 4 - (H312)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Skin corrosion/irritation	Category 2 - (H315)
Carcinogenicity	Category 2 - (H351)
Chronic aquatic toxicity	Category 2 - (H411)
Aerosols	Category 2 - (H223, H229)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Full text of R-phrases: see section 16

### 2.2. Label elements

Contains XYLENE, TETRACHLOROETHYLENE



**Signal word**  
Warning

**Statements of hazard**

- H312 - Harmful in contact with skin
- H315 - Causes skin irritation
- H332 - Harmful if inhaled
- H351 - Suspected of causing cancer
- H411 - Toxic to aquatic life with long lasting effects
- H223 - Flammable aerosol
- H229 - Pressurized container: May burst if heated

**Precautionary Statements**

- P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P281 - Use personal protective equipment as required
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
- P271 - Use only outdoors or in a well-ventilated area
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P273 - Avoid release to the environment
- P210 - Keep away from open flames/hot surfaces. - No smoking
- P211 - Do not spray on an open flame or other ignition source
- P251 - Do not pierce or burn, even after use
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
- P363 - Wash contaminated clothing before reuse
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P391 - Collect spillage
- P405 - Store locked up
- P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Other Information**

- Not applicable

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Mixtures**

Chemical Name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
TETRACHLOROETHYLENE	204-825-9	127-18-4	30 - 60	Carc. 2 (H351) Aquatic Chronic 2 (H411)	Not available
XYLENE	215-535-7	1330-20-7	15 - 40	Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226)	01-2119539452-40-XXXX
CARBON DIOXIDE	204-696-9	124-38-9	3 - 7		Exempt - ANNEX IV

**Full text of H- and EUH-phrases: see section 16**

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General advice</b>	Get medical advice/attention if you feel unwell.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
<b>Skin contact</b>	IF ON SKIN: Wash with soap and water. If symptoms persist, call a physician. Wash contaminated clothing before reuse.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** See section 2 for more information

### 4.3. Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire

### 5.2. Special hazards arising from the substance or mixture

Flammable Aerosol. Heating causes rise in pressure with risk of bursting.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Wash thoroughly after handling. Use personal protective equipment as required.

Ventilate the area.

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system.

**6.3. Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Eliminate all ignition sources if safe to do so. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Ensure adequate ventilation.

**6.4. Reference to other sections**

See section 8 for more information. See section 13 for more information.

**Section 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Contents under pressure. Do not puncture or incinerate cans.

**General Hygiene Considerations**

Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Wash hands and face thoroughly after handling.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage Conditions**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store locked up. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Incompatible materials**

Strong oxidizing agents, Strong bases, Acids, Reactive metals, Aluminum

**7.3. Specific end use(s)**

**Specific use(s)**

Automotive Care Product.

**Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
TETRACHLOROETHYLENE 127-18-4	-	TWA: 50 ppm TWA: 345 mg/m <sup>3</sup> STEL: 100 ppm STEL: 689 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 138 mg/m <sup>3</sup> STEL: 40 ppm STEL: 275 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 172 mg/m <sup>3</sup> STEL: 100 ppm STEL: 689 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 138 mg/m <sup>3</sup> H*
XYLENE 1330-20-7	TWA 50 ppm TWA 221 mg/m <sup>3</sup> STEL 100 ppm	TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> STEL: 100 ppm	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> TWA: 1000 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm	TWA: 100 ppm TWA: 440 mg/m <sup>3</sup> H*

	STEL 442 mg/m <sup>3</sup> *	STEL: 441 mg/m <sup>3</sup> Sk*	STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup> *	STEL: 442 mg/m <sup>3</sup> vía dérmica*	
CARBON DIOXIDE 124-38-9	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9150 mg/m <sup>3</sup> STEL: 15000 ppm STEL: 27400 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9150 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9100 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Italy</b>	<b>Portugal</b>	<b>Netherlands</b>	<b>Finland</b>	<b>Denmark</b>
TETRACHLOROETHYLENE 127-18-4	-	TWA: 25 ppm STEL: 100 ppm	-	TWA: 10 ppm TWA: 70 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 70 mg/m <sup>3</sup> H*
XYLENE 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> pelle*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> P*	TWA: 210 mg/m <sup>3</sup> STEL: 442 mg/m <sup>3</sup> H*	TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> STEL: 100 ppm STEL: 440 mg/m <sup>3</sup> iho*	TWA: 25 ppm TWA: 109 mg/m <sup>3</sup> H*
CARBON DIOXIDE 124-38-9	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL: 30000 ppm	TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9100 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Austria</b>	<b>Switzerland</b>	<b>Poland</b>	<b>Norway</b>	<b>Ireland</b>
TETRACHLOROETHYLENE 127-18-4	TWA: 50 ppm TWA: 345 mg/m <sup>3</sup> STEL 200 ppm STEL 1380 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 345 mg/m <sup>3</sup> STEL: 100 ppm STEL: 690 mg/m <sup>3</sup> H*	STEL: 170 mg/m <sup>3</sup> TWA: 85 mg/m <sup>3</sup>	TWA: 6 ppm TWA: 40 mg/m <sup>3</sup> STEL: 6 ppm STEL: 40 mg/m <sup>3</sup> H*	TWA: 25 ppm TWA: 170 mg/m <sup>3</sup> STEL: 100 ppm STEL: 678 mg/m <sup>3</sup>
XYLENE 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL 100 ppm STEL 442 mg/m <sup>3</sup> H*	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 200 ppm STEL: 870 mg/m <sup>3</sup> H*	TWA: 100 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 108 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 135 mg/m <sup>3</sup> H*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*
CARBON DIOXIDE 124-38-9	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL 10000 ppm STEL 18000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	STEL: 27000 mg/m <sup>3</sup> TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL: 5000 ppm STEL: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL: 15000 ppm STEL: 27000 mg/m <sup>3</sup>

<b>Chemical Name</b>	<b>European Union</b>	<b>United Kingdom</b>	<b>France</b>	<b>Spain</b>	<b>Germany</b>
TETRACHLOROETHYLENE 127-18-4	-	-	-	3 0.5	0.4 mg/L
XYLENE 1330-20-7	-	650	-	1	1.5 mg/L 2000 mg/L
<b>Chemical Name</b>	<b>Italy</b>	<b>Portugal</b>	<b>Netherlands</b>	<b>Finland</b>	<b>Denmark</b>
TETRACHLOROETHYLENE 127-18-4	-	-	-	1.2	-
XYLENE 1330-20-7	-	-	-	5.0	-
<b>Chemical Name</b>	<b>Austria</b>	<b>Switzerland</b>	<b>Poland</b>	<b>Norway</b>	<b>Ireland</b>
TETRACHLOROETHYLENE 127-18-4	-	1 7	-	-	-
XYLENE 1330-20-7	-	1.5	-	-	-

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

### Engineering Controls

Use exhaust ventilation to keep airborne concentrations below exposure limits.

### Personal protective equipment

#### Eye/face protection

Wear safety glasses with side shields (or goggles).

#### Skin and body protection

Suitable protective clothing. Gloves made of plastic or rubber.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as

appropriate.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Liquid, Flammable Aerosol
<b>Appearance</b>	Clear
<b>Odor</b>	Ether odor
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point / freezing point	No information available	
Boiling point / boiling range	> 95 °C / 203 °F	
Flash point	27 °C / 81 °F	Gives a flame projection at full valve opening or flashback at any degree of valve opening
Evaporation rate	> 1	Butyl acetate = 1
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	Air = 1
Relative density	1.618-1.622	
Water solubility	Insoluble in water	
Solubility(ies)	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

### 9.2. Other information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	37.6%
Density	No information available
Bulk density	No information available

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Not applicable

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

### 10.3. Possibility of hazardous reactions

None under normal processing.

**10.4. Conditions to avoid**

Heat, flames and sparks.

**10.5. Incompatible materials**

Strong oxidizing agents  
Strong bases  
Acids  
Reactive metals  
Aluminum

**10.6. Hazardous decomposition products**

Carbon oxides  
Hydrogen sulfide

**Section 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Product Information**

<b>Inhalation</b>	Harmful by inhalation.
<b>Eye contact</b>	Irritating to eyes. May cause redness and tearing of the eyes.
<b>Skin contact</b>	Harmful in contact with skin.
<b>Ingestion</b>	Ingestion may cause irritation to mucous membranes.

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 3,158.20 mg/kg  
**ATEmix (dermal)** 1,100.00 mg/kg  
**ATEmix (inhalation-dust/mist)** 1.50 mg/l

**Unknown acute toxicity**

100 % of the mixture consists of ingredient(s) of unknown toxicity.  
 7.4 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.  
 62.4 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).  
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).  
 62.4 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
TETRACHLOROETHYLENE	= 2629 mg/kg ( Rat )		= 27.8 mg/L ( Rat ) 4 h
XYLENE	= 3500 mg/kg ( Rat )	> 4350 mg/kg ( Rabbit ) > 1700 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.

Chemical Name	European Union
TETRACHLOROETHYLENE	Carc. 2

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Target Organ Effects</b>	Central nervous system, Central Vascular System (CVS), Eyes, kidney, Liver, Respiratory system, Skin.
<b>Aspiration hazard:</b>	No information available.

**Section 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

<b>Ecotoxicity</b>			
Toxic to aquatic life with long lasting effects.			
Chemical Name	Algae/aquatic plants	Fish	Crustacea
TETRACHLOROETHYLENE	500: 96 h Pseudokirchneriella subcapitata mg/L EC50	8.6 - 13.5: 96 h Pimephales promelas mg/L LC50 static 12.4 - 14.4: 96 h Pimephales promelas mg/L LC50 flow-through 11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 4.73 - 5.27: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	6.1 - 9.0: 48 h Daphnia magna mg/L EC50 Static
XYLENE	-	2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.4: 96 h Pimephales promelas mg/L LC50 flow-through 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 19: 96 h Lepomis macrochirus mg/L LC50	0.6: 48 h Gammarus lacustris mg/L LC50 3.82: 48 h water flea mg/L EC50

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

Chemical Name	Partition coefficient
TETRACHLOROETHYLENE	2.53 - 2.88
XYLENE	2.77 - 3.15

**12.4. Mobility in soil**

**Mobility in soil**  
No information available.



**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

No information available

**Endocrine Disruptor Information**

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Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine disrupting potential
TETRACHLOROETHYLENE	Group II Chemical	-	-

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container.
<b>Waste codes / waste designations according to EWC / AVV</b>	No Data Available
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

**Section 14: TRANSPORT INFORMATION**

**IMDG**

14.1 UN/ID No	Not regulated
14.2 Proper shipping name:	Do Not Ship
14.3 Hazard Class	Not regulated
14.4 Packing Group	None
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 EmS-No	Not applicable

**RID**

14.1 UN/ID No	1950
14.2 Proper shipping name:	Aerosols, Limited Quantity (LQ)
14.3 Hazard Class	2.1
14.4 Packing Group	None
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 Classification code	5F

**ADR**

14.1 UN/ID No	1950
14.2 Proper shipping name:	Aerosols, Limited Quantity (LQ)
14.3 Hazard Class	2.1
14.4 Packing Group	None
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 Classification code	5F

**IATA**

14.1 UN/ID No 1950  
 14.2 Proper shipping name: Aerosols, containing, Substances, Division, 6.1, Packing group III  
 14.3 Hazard Class 2.1  
     Subsidiary hazard class 6.1  
 14.4 Packing Group None  
 14.5 Environmental hazard Not applicable  
 14.6 Special Provisions No information available  
 14.7 ERG Code 10P

**Section 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Chemical Name	French RG number	Title
TETRACHLOROETHYLENE 127-18-4	RG 3,RG 12	-
XYLENE 1330-20-7	RG 4bis,RG 84	-

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**International Inventories**

TSCA Complies  
 DSL/NDSL Complies  
 EINECS/ELINCS Complies  
 ENCS Complies  
 IECS Complies  
 KECL Complies  
 PICCS Complies  
 AICS Not determined

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECS - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

No information available

**Section 16: OTHER INFORMATION**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**

- H226 - Flammable liquid and vapor
- H312 - Harmful in contact with skin
- H315 - Causes skin irritation
- H332 - Harmful if inhaled
- H351 - Suspected of causing cancer
- H411 - Toxic to aquatic life with long lasting effects

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Revision Date** 12-Mar-2019

**Revision Note** Not applicable.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**End of Safety Data Sheet**